

METHOD FOR BACKWASHING HOLLOW YARN MEMBRANE FILTER

Publication number: JP60019002

Publication date: 1985-01-31

Inventor: SHIRAI TAKAMORI; TAJIMA FUMIO

Applicant: NIPPON ATOMIC IND GROUP CO; TOKYO SHIBAURA ELECTRIC CO

Classification:

- International: B01D65/02; B01D65/00; (IPC1-7): B01D13/00

- European:

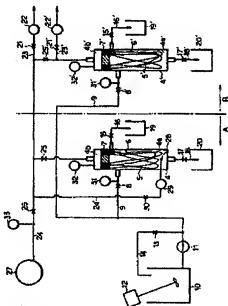
Application number: JP19830127086 19830713

Priority number(s): JP19830127086 19830713

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Abstract of JP60019002

PURPOSE: To enhance the removal efficiency of fine particles adhered to a hollow yarn membrane, by allowing a small amount of a filtrate and air bubbles to permeate the hollow yarn membrane from the interior thereof by introducing compressed air into the hollow yarn membrane while vibrating the liquid in a container having hollow yarns received therein. **CONSTITUTION:** Treating liquid sumps 4a, 4b partitioned by seal parts 7, 7' of hollow yarn membrane receiving containers 4, 4' are connected to a treating liquid supply pipe 9 having views 8, 8' and a treating liquid having fine particles dispersed and floated therein is supplied to said treating liquid sumps 4a, 4b from a treating liquid tank 10 by a treating liquid supply pump 11. On the other hand, an air bubble generating nozzle 28 having a nozzle orifice size of 1-2mm.φ is provided to the bottom part of the hollow yarn membrane receiving container 4 and connected to a compressed air supply arranged pipe 24. By this inventive backwashing method of the hollow yarn membrane, almost 100% of backwashing efficiency is obtained at every cycle within a short time and initial membrane differential pressure hardly changes.



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